DOCUMENT RESUME

ED 155 295 UD 018 352

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TITLE Analyses of Compensatory Education Time Allocation Data from District Survey I of the Compensatory Education Study.
INSTITUTION Central Midwestern Regional Educational Lab., St. Ann, Mo.
SPONS AGENCY National Inst. of Education (DHEW), Washington, D.C.
PUB DATE 12 May 77
GRANT NIE-G-77-0004
NOTE 56p.

EDRS PRICE MF-$0.83 HC-$3.50 Plus Postage.
DESCRIPTORS Academic Achievement; Comparative Statistics; *Compensatory Education; Elementary Education; *Elementary School Students; Grade 1; Grade 3; *Mathematics Instruction; *Reading Instruction; *Tables (Data); *Time Factors (Learning)
IDENTIFIERS *Instructional Time

ABSTRACT

This document consists of data tables showing the amount of compensatory instruction received by pupils in first and third grade classes. The instruction offered included reading and/or mathematics as well as other academic subjects. Instruction received is differentiated by subject area and by location (inside or outside the classroom) within each of 8 program types. The tables presented are of two kinds, the first showing amount of instruction per compensatory education pupil, and the second showing percentage of total instructional time devoted to various subject area and location combinations. An introductory explanation to the tables is provided. Major findings concerning differences in patterns of program offerings, amounts of instruction received and "pullout" instruction time between the first and third grades are discussed briefly. (GC)

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ED155295

Analyses of Compensatory Education Time Allocation Data from District Survey I of the Compensatory Education Study

Performed by the

ML-GROUP for Policy Studies in Education

CEMREL, Inc.

May 12, 1977

Chicago, Illinois

U S DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION

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These analyses were assembled, tabulated, and documented by Marjorie L. DeVault

UD018352

Supported by the National Institute of Education through two vehicles:
1. A subcontract awarded to CEMREL, Inc., from the National Opinion Research Center, which formed a part of the contractual work of NORC for NIE's Compensatory Education Study.
2. A research grant (NIE-G-77-0004) awarded to CEMREL, Inc.

Homeroom Data

These tables show the amounts of compensatory instruction received by pupils in first and third grade classes which offer any combination of reading, mathematics, and other academic compensatory education programs. The combinations of these instructional areas produce eight program types; however, no data are reported for students in classes with no academic program. We have also differentiated the instruction which is received by subject area (reading, mathematics, and other academic areas) and two locations (inside and outside the classroom), within each program type.

The basic time data from which these tables were produced were recorded in terms of total pupil-minutes of instruction received per week, for each homeroom class, i.e. the amount of instruction offered during a week in a particular program area times the number of pupils who received it.

For example, if 2 students in a homeroom class receive 30 minutes of instruction in mathematics each day, five days a week, they receive a total of 300 pupil-minutes of mathematics instruction per week (2 x 30 x 5).

The instructional area category "reading" includes instruction in both reading and language arts, and pupils may participate in either or both of these programs. Thus, if 10 pupils in a class receive instruction in reading (30 minutes per day for 5 days) and 5 receive instruction in language (30 minutes per day for 5 days), they receive a total of 2250 pupil-minutes of instruction per week [(10 x 30 x 5) = (5 x 30 x 5)]. The subject category for other academic areas includes science, social/cultural studies, English as a second language, and special education/learning disabilities instruction. Time data for these areas are combined in the same way as the data for reading and language instruction.

The primary data on which these tables were based contain the average pupil-minutes of instruction per class, for various aggregations of program types, instructional areas, and locations. This value was calculated by dividing the weighted sum of the pupil-minutes of instruction in classes of a given type by a weighted estimate of the number of these classes in the population (all school districts in the U.S. which currently receive ESEA Title I grants or both Title I and State Compensatory Education grants). For example, in first grade classes where pupils received only reading instruction, they received a total of 35,734,296.47 pupil-minutes of reading instruction inside the classroom. Dividing by the estimated number of classes, 29,192.95, yields a mean value of 1224.07 pupil-minutes per class.

In the same classes, pupils received 35,409,827.45 pupil-minutes of reading instruction outside the classroom. Summing the reading instruction inside and outside the classroom yields a total of 71,144,123.92 pupil-minutes for all reading instruction. Dividing by the estimated number of classes yields a mean of 2437.03 pupil-minutes per class.

The tables presented here are of two types:

1. Amount of instruction per compensatory education pupil. This value was calculated by dividing the weighted sum of the pupil-minutes of instruction for classes of a given type by the estimated number of compensatory education students in these classes. In the example above, the total of 35,734,296.47 pupil-minutes of reading instruction inside the classroom would be divided by the estimated number of compensatory education students in classes with only reading instruction (263,302.35) to yield a value of 135.72 pupil-minutes of instruction per compensatory education pupil (See Table 1.29). This ratio is the same as that obtained by dividing the average total amounts of received instruction (1224.07 pupil-minutes per class) by the average number of compensatory education pupils per class (9.02, presented in Tables 1.1, 1.2).

2. Percentage tables. The second table in each pair shows the percentage of total instructional time devoted to various subject area and location combinations. For example, Table 1.29 shows that, in the first grade classes described above (where pupils

receive only reading instruction), pupils receive an average of 135.72 minutes of instruction inside the classroom and 134.48 minutes outside the classroom. Since only reading instruction is offered, the total of 270.20 minutes of reading instruction represents the total amount of compensatory instruction received. Table 1.30 shows that the instruction inside the classroom represents 50.228 percent of this total, while instruction outside the classroom represents 49.772 percent of the total.

This method of calculating the amount of instruction received accounts for the overlap in pupil enrollments in compensatory education programs. If a pupil participates in both reading and mathematics, for example, the amount of instruction he receives in both areas is included in the total for his class. This total across classes is the numerator for our estimate of minutes of instruction per compensatory education pupil. Each pupil is counted only once to produce the denominator for this ratio. Thus, we produce a valid estimate of the <u>total</u> amount of instruction received per pupil. In contrast, past analyses have examined the characteristics of instruction within various subject areas. Since pupil enrollments overlapped to an unknown degree, it was impossible to accurately relate the subject area instruction to the total amount of instruction received per pupil.

This method of calculation also allows the aggregation of time data across subject areas, locations, and program types. The amounts of instruction received and the numbers of compensatory education pupils involved can both be summed for any aggregation of classes, to produce the ratio of pupil-minutes to pupils. Two basic types of aggregations are of interest. First, we can examine the type of instruction offered. For example, we can see how much of the total instruction received is in the areas of reading, mathematics, or other areas. Alternatively we can see how much of the total consists of instruction received inside the classroom and how much is received in pull-out programs. The second type of aggregation is across program types, and allows us to examine the effects of various patterns of compensatory instruction. For example, we can see how much instruction in reading pupils receive when they are in classes offering only reading, reading and mathematics, or reading, mathematics and other instruction.

Provider Data

The total amount of instruction provided by teachers should be equal to the total amount received by compensatory education pupils. However, the provider data which are available represent

only a part of the total instruction provided by each teacher, since teachers who were interviewed were asked to describe the characteristics of only one of the compensatory education classes they taught.

Tables 1.31 and 3.31 show the amount of instruction per pupil provided by compensatory education teachers. In order to calculate these values, the total number of pupil-minutes of instruction provided per week was divided by the number of pupils who received the instruction. However, this value is not comparable to the amount of instruction received per pupil, since pupils are accounted separately within each instructional area.

Major Findings

1. Patterns of Program Offerings. In the first grade, 87 percent of Compensatory Education homeroom classes -- those having CE pupils -- include children who participate in reading and/or language arts programs. Only 39 percent have pupil participation in mathematics programs, and 36 percent have participation in both. All of these basic skill offerings grow in the third grade: Reading - 95 percent, Mathematics - 41 percent, Reading and Mathematics - 41 percent. The largest source of all growth in the number of basic skills programs, between first and third grade, is the increase in Compensatory Education classes offered or offering both reading and mathematics programs.

2. Amounts of Instruction Received. First graders receive about 71 percent (almost four hours per week per CE pupil) of their academic compensatory education instruction in reading or language arts, 19 percent (one hour per week per CE pupil) in mathematics, and 10 percent (one-half hour per week per CE pupil) in other subjects. These figures change in the third grade: Reading - 60 percent (a drop of 14 minutes per week), Mathematics - 22 percent (an increase of 18½ minutes per week), Other subjects - 17 percent (doubling to an hour per week). Obviously, while reading remains a priority area in third grade, the total increase in compensatory instruction from almost 5½ hours per week,in the first grade, to about 6 hours per week, in the third, could not accommodate the increase in non-reading areas without a reduction in reading instruction.

3. Pullout Instruction. There is a dramatic shift in the extensiveness of pullout instruction between first and third grade. Overall, in the first grade, 39 percent (2 hours and 5 minutes per week) of all compensatory education takes place outside of a child's regular class, while in the third grade this figure jumps to 57 percent (3 hours and 23 minutes). This grade shift occurs primarily in the basic skill areas -- pullout reading increasing from 42 percent to 63 percent of instruction and pullout mathematics jumping from 27 percent to 53 percent. These grade changes are superimposed on top of some basic patterns in the use of pullout strategies. Generally, when instruction is offered only in single areas -- e. g., either reading or mathematics, but not both -- pullout instruction is used in an extensive minority of cases -- first grade -- or is strongly favored -- third grade. But when two areas are simultaneously offered, pullout instruction is proportionately diminished, especially in third grade. When three or more areas are simultaneously offered, inclass instruction is far more heavily used at both grade levels.

Table A. Number of Compensatory Education Homeroom Classes by Program Type

Program Type	First Grade		Third Grade	
	Number of Classes	Percentage of Classes	Number of Classes	Percentage of Classes
No Program	4,864	7.48	0	0.00
Reading Only	29,193	44.87	30,108	45.82
Mathematics Only	1,244	1.91	355	0.54
Other Only	2,007	3.08	2,870	4.37
Reading and Mathematics	16,201	24.90	18,896	28.76
Reading and Other	3,901	6.00	5,499	8.37
Mathematics and Other	358	0.55	0	0.00
Reading, Mathematics and Other	7,299	11.22	7,979	12.14
Total	65,067	100.00	65,707	100.00

Program Type	First Grade		Third Grade	
	Number of Classes	Percentage of Classes	Number of Classes	Percentage of Classes
With Reading	56,594	86.98	62,482	95.09
Without Reading	8,473	13.02	3,225	4.91
Total	65,067	100.00	65,707	100.00
With Mathematics	25,102	38.58	27,230	41.44
Without Mathematics	39,965	61.42	38,477	58.56
Total	65,067	100.00	65,707	100.00

Table A (cont.). Number of Compensatory Education Homeroom Classes by Program Type

Program Type	First Grade		Third Grade	
	Number of Classes	Percentage of Classes	Number of Classes	Percentage of Classes
With Other	13,565	20.85	16,348	24.88
Without Other	51,502	79.15	49,359	75.12
Total	65,067	100.00	65,707	100.00
With Reading and Mathematics	23,500	36.12	26,875	40.90
Without Reading and Mathematics	41,567	63.88	38,832	59.10
Total	65,067	100.00	65,707	100.00

Tables for Grade 1*

*For these analyses, Grade 1 classes included only homeroom classes for which the teacher indicated that all pupils were in grade 1.

Table 1.1. Compensatory Education Pupil Enrollments and Average Class Sizes, by Program Type (First Grade).

Program Type	Estimated Number of CE Pupils in Program Type	Percentage of CE Pupils in Program Type	Average Number of CE Pupils per Class	Average Class Size	Average Percentage of CE Pupils
No Program	-	-	-	-	-
Reading Only	263,302.35	43.203	9.02	25.28	35.680
Mathematics Only	9,661.89	1.585	7.77	23.98	32.402
Other Only	14,105.74	22.314	7.03	23.00	30.565
Reading and Mathematics	145,695.60	23.907	8.99	25.73	34.940
Reading and Other	36,148.92	5.931	9.27	25.92	35.764
Mathematics and Other	8,706.42	1.429	24.30	24.30	100.000
Reading, Mathematics and Other	131,833.59	21.631	18.06	26.31	68.643
Total	609,454.51	100.000			

Table 1.2. Compensatory Education Pupil Enrollments and Average Class Sizes by Program Type (Reading, Mathematics, and Other) - First Grade.

Program Type	Estimated Number of CE Pupils in Program Type	Percentage of CE Pupils in Program Type	Average Number of CE Pupils per Class	Average Class Size	Average Percentage of CE Pupils
With Reading	576,980.46	94.672	10.20	25.58	39.875
Without Reading	32,474.05	5.328	9.00	23.47	38.347
Total	609,454.51	100.000	-	-	-
With Mathematics	295,897.50	48.551	11.79	25.79	45.715
Without Mathematics	313,557.01	51.449	8.93	25.22	35.408
Total	609,454.51	100.000	-	-	-
With Other	190,794.67	31.306	14.06	25.66	54.794
Without Other	418,659.84	68.694	8.98	25.40	35.354
Total	609,454.51	100.000	-	-	-

Table 1.3. Average Minutes of Instruction for Compensatory Education Pupils by Instructional Area (First Grade).

	Reading	Mathematics	Other Academic	Total
Total	230.55	61.90	31.76	324.21

Table 1.4. Percentage of Instructional Time for Compensatory Education Pupils by Instructional Area (First Grade).

	Reading	Mathematics	Other Academic	Total
Total	71.111	19.093	9.796	100.000

Table 1.5. Average Minutes of Instruction for Compensatory Education Pupils, by Instructional Area and Location (First Grade).

Situation	Reading	Mathematics	Other Academic	Total
Inside	132.79	45.03	21.14	198.95
Outside	97.76	16.87	10.63	125.26

Table 1.6. Percentage of Instructional Time for Compensatory Education Pupils, by Instructional Area, by Location (First Grade).

Situation	Reading	Mathematics	Other Academic	Total
Inside	66.745	22.632	10.623	100.000
Outside	78.046	13.468	8.486	100.000

Table 1.7. Average Minutes of Instruction for Compensatory Education Pupils, by Location and Program Type (Reading) - First Grade.

Program Category	Inside	Outside	Total
With Reading	205.72	128.17	333.89
Without Reading	78.69	73.76	152.46

Table 1.8. Percentage of Instructional Time for Compensatory Education Pupils, by Location, by Program Type (Reading) - First Grade.

Program Category	Inside	Outside	Total
With Reading	61.613	38.387	100.000
Without Reading	51.614	48.380	100.000

Table 1.9. Average Minutes of Instruction for Compensatory Education Pupils, by Location and Program Type (Mathematics) - First Grade.

Program Category	Inside	Outside	Total
With Mathematics	271.96	114.21	386.17
Without Mathematics	130.04	135.70	265.74

Table 1.10. Percentage of Instructional Time for Compensatory Education Pupils, by Location, by Program Type (Mathematics) - First Grade.

Program Category	Inside	Outside	Total
With Mathematics	70.425	29.575	100.000
Without Mathematics	48.935	51.065	100.000

Table 1.11. Average Minutes of Instruction for Compensatory Education Pupils, by Location and Program Type (Other) - First Grade

Program Category	Inside	Outside	Total
With Other	293.52	94.63	388.15
Without Other	155.85	139.22	295.07

Table 1.12. Percentage of Instructional Time for Compensatory Education Pupils, by Location, by Program Type (Other) - First Grade.

Program Category	Inside	Outside	Total
With Other	75.620	24.380	100.000
Without Other	52.818	47.182	100.000

Table 1.13. Average Minutes of Instruction for Compensatory Education Pupils, by Instructional Area and Program Type (Reading) - First Grade.

Program Category	Reading	Mathematics	Other Academic	Total
With Reading	243.53	60.79	29.57	333.89
Without Reading	-	81.68	70.77	152.46

Table 1.14. Percentage of Instructional Time for Compensatory Education Pupils, by Instructional Area, by Program Type (Reading) - First Grade.

Program Category	Reading	Mathematics	Other Academic	Total
With Reading	72.937	18.207	8.856	100.000
Without Reading	-	53.575	46.419	100.000

Table 1.15. Average Minutes of Instruction for Compensatory Education Pupils, by Instructional Area and Program Type (Mathematics) - First Grade.

Program Category	Reading	Mathematics	Other Academic	Total
With Mathematics	212.86	127.49	45.82	386.17
Without Mathematics	247.25	-	18.49	265.74

Table 1.16. Percentage of Instructional Time for Compensatory Education Pupils, by Instructional Area, by Program Type (Mathematics) - First Grade.

Program Category	Reading	Mathematics	Other Academic	Total
With Mathematics	55.121	32.582	11.865	100.000
Without Mathematics	93.042	-	6.958	100.000

Table 1.17. Average Minutes of Instruction for Compensatory Education Pupils, by Instructional Area and Program Types (Other) - First Grade.

Program Category	Reading	Mathematics	Other Academic	Total
With Other	190.12	95.57	101.46	388.15
Without Other	248.97	46.09	-	295.06

Table 1.18. Percentage of Instructional Time for Compensatory Education Pupils, by Instructional Area, by Program Type (Other) - First Grade.

Program Category	Reading	Mathematics	Other Academic	Total
With Other	48.981	24.622	26.139	100.000
Without Other	84.379	15.621	-	100.000

Table 1.19. Average Minutes of Instruction for Compensatory Education Pupils, by Instructional Area, Location, and Program Type (Reading) - First Grade.

Program Category	Reading		Mathematics		Other Academic		Total
	Inside	Outside	Inside	Outside	Inside	Outside	
With Reading	140.26	103.27	43.71	17.08	21.75	7.82	333.89
Without Reading	-	-	68.48	13.21	10.21	60.56	152.46

Table 1.20. Percentage of Instructional Time for Compensatory Education Pupils, by Instructional Area and Location, by Program Type (Reading) - First Grade.

Program Category	Reading		Mathematics		Other Academic		Total
	Inside	Outside	Inside	Outside	Inside	Outside	
With Reading	42.008	30.929	13.091	5.116	6.514	2.342	100.000
Without Reading	-	-	44.917	8.665	6.697	39.722	100.000

Table 1.21. Average Minutes of Instruction for Compensatory Education Pupils, by Instructional Area, Location, and Program Type (Mathematics) - First Grade.

Program Category	Reading		Mathematics		Other Academic		Total
	Inside	Outside	Inside	Outside	Inside	Outside	
With Mathematics	141.20	71.66	92.74	34.75	38.02	7.80	386.17
Without Mathematics	124.85	122.40	-	-	5.20	13.30	265.75

Table 1.22. Percentage of Instructional Time for Compensatory Education Pupils, by Instructional Area and Location, by Program Type (Mathematics) - First Grade.

Program Category	Reading		Mathematics		Other Academic		Total
	Inside	Outside	Inside	Outside	Inside	Outside	
With Mathematics	36.366	18.557	24.015	8.999	9.845	2.020	100.000
Without Mathematics	46.980	46.058	-	-	1.957	5.005	100.000

Table 1.23. Average Minutes of Instruction for Compensatory Education Pupils, by Instructional Area, Location, and Program Type (Other) - First Grade.

Program Category	Reading		Mathematics		Other Academic		Total
	Inside	Outside	Inside	Outside	Inside	Outside	
With Other	141.50	48.62	84.51	12.06	67.51	33.95	388.15
Without Other	128.81	120.16	27.03	19.06	-	-	294.44

Table 1.24. Percentage of Instructional Time for Compensatory Education Pupils, by Instructional Area and Location, by Program Type (Other) - First Grade.

Program Category	Reading		Mathematics		Other Academic		Total
	Inside	Outside	Inside	Outside	Inside	Outside	
With Other	36.455	12.526	21.773	3.107	17.393	8.747	100.000
Without Other	43.747	40.810	9.180	6.473	-	-	100.000

Table 1.25. Average Minutes of Instruction for Compensatory Education Pupils, by Instructional Area and Program Type (First Grade).

	Reading	Mathematics	Other Academic	Total
No Program	-	-	-	-
Reading Only	270.20	-	-	270.20
Mathematics Only	-	151.18	-	151.18
Other Only	-	-	127.66	127.66
Reading and Mathematics	227.16	122.44	-	349.60
Reading and Other	176.54	-	110.60	287.14
Mathematics and Other	-	136.90	57.14	194.04
Reading, Mathematics and Other	226.75	130.72	99.08	456.54

Table 1.26. Percentage of Instructional Time for Compensatory Education Pupils, by Instructional Area, by Program Type (First Grade).

	Reading	Mathematics	Other Academic	Total
No Program	-	-	-	-
Reading Only	100.000	-	-	100.000
Mathematics Only	-	100.000	-	100.000
Other Only	-	-	100.000	100.000
Reading and Mathematics	64.977	35.023	-	100.000
Reading and Other	-	-	38.518	100.000
Mathematics and Other	-	70.552	29.448	100.000
Reading, Mathematics and Other	49.667	28.633	21.702	100.000

Table 1.27. Average Minutes of Instruction for Compensatory Education Pupils, by Location and Program Type (First Grade).

Program Type	Inside	Outside	Total
No Program	-	-	-
Reading Only	135.72	134.48	270.20
Mathematics Only	106.78	44.39	151.18
Other Only	0.0	127.66	127.66
Reading and Mathematics	195.48	154.11	349.59
Reading and Other	139.48	147.66	287.14
Mathematics and Other	175.00	19.04	194.04
Reading, Mathematics and Other	374.99	81.55	456.54

Table 1.28. Percentage of Instructional Time for Compensatory Education Pupils, by Location, by Program Type (First Grade).

	Inside	Outside	Total
No Program	-	-	-
Reading Only	50.229	49.771	100.000
Mathematics Only	70.631	29.362	100.000
Other Only	0.0	100.000	100.000
Reading and Mathematics	56.760	44.083	100.000
Reading and Other	48.576	51.424	100.000
Mathematics and Other	90.188	9.812	100.000
Reading, Mathematics and Other	82.137	17.863	100.000

Table 1.29. Average Minutes of Instruction for Compensatory Education Pupils, by Instructional Area, Location, and Program Type (First Grade).

Program Type	Reading		Mathematics		Other Academic		Total
	Inside	Outside	Inside	Outside	Inside	Outside	
No Program	-	-	-	-	-	-	-
Reading Only	135.72	134.48	-	-	-	-	270.20
Mathematics Only	-	-	106.78	44.39	-	-	151.18
Other Only	-	-	-	-	0.0	127.66	127.66
Reading and Mathematics	124.89	102.27	70.60	51.84	-	-	349.60
Reading and Other	94.39	82.15	-	-	45.09	65.51	287.14
Mathematics and Other	-	-	136.90	0.00	38.10	19.04	194.04
Reading, Mathematics and Other	178.90	47.85	113.26	17.45	82.82	16.25	456.54

Table 1.30. Percentage of Instructional Time for Compensatory Education Pupils, by Instructional Area and Location, by Program Type (First Grade).

	Reading		Mathematics		Other Academic		Total
Program Type	Inside	Outside	Inside	Outside	Inside	Outside	
No Program	-	-	-	-	-	-	-
Reading Only	50.228	49.772	-	-	-	-	100.000
Math Only	-	-	70.635	29.365	-	-	100.000
Other Only	-	-	-	-	0.0	100.000	100.000
Reading and Mathematics	35.724	29.253	20.194	14.828	-	-	100.000
Reading and Other	32.872	28.610	-	-	15.703	22.815	100.000
Mathematics and Other	-	-	70.552	0.0	19.635	9.812	100.000
Reading, Mathematics and Other	39.186	10.481	24.808	3.822	18.141	3.559	100.000

Table 1.31. Amount of Instruction Per Pupil Provided by Compensatory Education Teachers, by Instructional Area (First Grade).

	Reading	Mathematics	Other
Average Pupil-Minutes per Week	314.43	165.78	97.76

Tables for Grade 3*

*For these analyses, Grade 3 classes included only homeroom classes for which the teacher indicated that all pupils were in grade 3.

Table 3.1. Compensatory Educaton Pupil Enrollments and Average Class Sizes, by Program Type (Third Grade).

Program Type	Estimated Number of CE Pupils in Program Type	Percentage of CE Pupils in Program Type	Average Number of CE Pupils per Class	Average Class Size	Average Percentage of CE Pupils
No Program	-	-	-	-	-
Reading Only	220,590.12	38.975	7.33	24.25	30.302
Mathematics Only	4,904.54	.867	13.81	28.27	48.850
Other Only	7,916.26	1.399	2.76	28.84	9.570
Reading and Mathematics	166,080.48	29.344	8.79	22.70	38.722
Reading and Other	53,297.67	9.417	9.69	26.78	36.184
Mathematics and Other	0.0	0.0	0.0	0.0	0.0
Reading, Mathematics and Other	113,189.53	19.999	14.18	28.28	50.14
Total	565,978.60	100.000			

Table 3.2. Compensatory Education Pupil Enrollments and Average Class Sizes by Program Type (Reading, Mathematics, and Other) - Third Grade

Program Type	Estimated Number of CE Pupils in Program Type	Percentage of CE Pupils in Program Type	Average Number of CE Pupils per Class	Average Class Size	Average Percentage of CE Pupils
With Reading	553,157.80	97.735	8.85	24.52	36.093
Without Reading	12,820.80	2.265	3.98	28.78	13.829
Total	565,978.60	100.000	-	-	-
With Mathematics	284,174.55	50.209	10.44	24.41	42.769
Without Mathematics	281,804.05	49.791	7.32	24.96	29.327
Total	565,978.60	100.000	-	-	-
With Other	174,403.46	30.814	10.67	27.87	38.285
Without Other	391,575.14	69.186	7.93	23.69	33.474
Total	565,978.60	100.000	-	-	-

Table 3.3. Average Minutes of Instruction for Compensatory Education Pupils by Instructional Area (Third Grade).

	Reading	Mathematics	Other Academic	Total
Total	216.71	80.36	62.13	359.20

Table 3.4. Percentage of Instructional Time for Compensatory Education Pupils, by Instructional Area (Third Grade).

	Reading	Mathematics	Other Academic	Total
Total	60.331	22.372	17.297	100.000

Table 3.5. Average Minutes of Instruction for Compensatory Education Pupils, by Instructional Area and Location (Third Grade).

Location	Reading	Mathematics	Other Academic	Total
Inside	80.16	37.43	38.53	156.12
Outside	136.55	42.93	23.59	203.08

Table 3.6. Percentage of Instructional Time for Compensatory Education Pupils, by Instructional Area and Location (Third Grade)

Location	Reading	Mathematics	Other Academic	Total
Inside	51.345	23.975	24.680	100.000
Outside	67.240	21.140	11.620	100.000

Table 3.7. Average Minutes of Instruction for Compensatory Education Pupils, by Location and Program Type (Reading) - Third Grade.

Program Category	Inside	Outside	Total
With Reading	159.46	203.55	363.01
Without Reading	12.12	182.48	194.60

Table 3.8. Percentage of Instructional Time for Compensatory Education Pupils, by Location, by Program Type (Reading) - Third Grade.

Program Category	Inside	Outside	Total
With Reading	43.927	56.073	100.000
Without Reading	6.228	93.772	100.000

Table 3.9. Average Minutes of Instruction for Compensatory Education Pupils, by Location and Program Type (Mathematics) - Third Grade.

Program Category	Inside	Outside	Total
With Mathematics	248.59	243.16	491.75
Without Mathematics	62.88	162.66	225.53

Table 3.10. Percentage of Instructional Time for Compensatory Education Pupils, by Location, by Program Type (Mathematics) - Third Grade.

Program Category	Inside	Outside	Total
With Mathematics	50.552	49.448	100.000
Without Mathematics	27.881	72.123	100.000

Table 3.11. Average Minutes of Instruction for Compensatory Education Pupils, by Location and Program Type (Other) - Third Grade.

Program Category	Inside	Outside	Total
With Other	301.74	228.02	529.76
Without Other	91.26	191.96	283.23

Table 3.12. Percentage of Instructional Time for Compensatory Education Pupils, by Location, by Program Type (Other) - Third Grade

Program Category	Inside	Outside	Total
With Other	56.958	43.042	100.000
Without Other	32.221	67.775	100.000

Table 3.13. Average Minutes of Instruction for Compensatory Education Pupils, by Instructional Area and Program Type (Reading) - Third Grade.

Program Category	Reading	Mathematics	Other Academic	Total
With Reading	221.74	80.96	60.32	363.01
Without Reading	-	54.35	140.25	194.60

Table 3.14. Percentage of Instructonal Time for Compensatory Education Pupils, by Instructional Area, by Program Type (Reading) - Third Grade.

Program Category	Reading	Mathematics	Other Academic	Total
With Reading	61.084	22.302	16.617	100.000
Without Reading	-	27.929	72.071	100.000

Table 3.15. Average Minutes of Instruction for Compensatory Education Pupils, by Instructional Area and Program Type (Mathematics) - Third Grade.

Program Category	Reading	Mathematics	Other Academic	Total
With Mathematics	249.67	160.05	82.03	491.75
Without Mathematics	183.48	-	42.05	225.53

Table 3.16. Percentage of Instructional Time for Compensatory Education Pupils, by Instructional Area, by Program Type (Mathematics) - Third Grade.

Program Category	Reading	Mathematics	Other Academic	Total
With Mathematics	50.772	32.547	16.681	100.000
Without Mathematics	81.355	-	18.645	100.000

Table 3.17. Average Minutes of Instruction for Compensatory Education Pupils, by Instructional Area and Program Types (Other) - Third Grade.

Program Category	Reading	Mathematics	Other Academic	Total
With Other	216.34	111.80	201.61	529.76
Without Other	216.88	66.35	-	283.23

Table 3.18. Percentage of Instructional Time for Compensatory Education Pupils, by Instructional Area, by Program Type (Other) - Third Grade.

Program Category	Reading	Mathematics	Other Academic	Total
With Other	40.837	21.104	38.057	100.000
Without Other	76.574	23.426	-	100.000

Table 3.19. Average Minutes of Instruction for Compensatory Education Pupils, by Instructional Area, Location, and Program Type (Reading) - Third Grade.

Program Category	Reading		Mathematics		Other Academic		Total
	Inside	Outside	Inside	Outside	Inside	Outside	
With Reading	82.01	139.72	38.02	42.94	39.43	20.89	363.01
Without Reading	-	-	12.12	42.22	0.00	140.25	194.60

Table 3.20. Percentage of Instructional Time for Compensatory Education Pupils, by Instructional Area and Location, by Program Type (Reading) - Third Grade.

Program Category	Reading		Mathematics		Other Academic		Total
	Inside	Outside	Inside	Outside	Inside	Outside	
With Reading	22.592	38.489	10.474	11.829	10.862	5.755	100.000
Without Reading	-	-	6.228	21.696	0.0	72.071	100.000

Table 3.21. Average Minutes of Instruction for Compensatory Education Pupils, by Instructional Area, Location, and Program Type (Mathematics) - Third Grade.

Program Category	Reading		Mathematics		Other Academic		Total
	Inside	Outside	Inside	Outside	Inside	Outside	
With Mathematics	111.65	138.02	74.55	85.50	62.39	19.64	491.75
Without Mathematics	48.40	135.08	-	-	14.47	27.58	225.53

Table 3.22. Percentage of Instructional Time for Compensatory Education Pupils, by Instructional Area and Location, by Program Type (Mathematics) - Third Grade.

Program Category	Reading		Mathematics		Other Academic		Total
	Inside	Outside	Inside	Outside	Inside	Outside	
With Mathematics	22.705	28.067	15.160	17.387	12.687	3.994	100.000
Without Mathematics	21.461	59.894	-	-	6.416	12.229	100.000

Table 3.23. Average Minutes of Instruction for Compensatory Education Pupils, by Instructional Area, Location, and Program Type (Other) - Third Grade.

Program Category	Reading		Mathematics		Other Academic		Total
	Inside	Outside	Inside	Outside	Inside	Outside	
With Other	112.84	103.51	63.86	47.95	125.05	76.56	529.76
Without Other	65.60	151.27	25.66	40.69	-	-	283.23

Table 3.24. Percentage of Instructional Time for Compensatory Education Pupils, by Instructional Area and Location, by Program Type (Other) - Third Grade.

Program Category	Reading		Mathematics		Other Academic		Total
	Inside	Outside	Inside	Outside	Inside	Outside	
With Other	21.300	19.539	12.055	9.051	23.605	14.452	100.000
Without Other	23.161	53.409	9.060	14.366	-	-	100.000

Table 3.25. Average Minutes of Instruction for Compensatory Education Pupils, by Instructional Area and Program Type (Third Grade).

Program Type	Reading	Mathematics	Other Academic	Total
No Program				
Reading Only	205.56			205.56
Mathematics Only		142.08		142.08
Other Only			227.15	227.15
Reading and Mathematics	238.32	152.24		390.56
Reading and Other	119.36		188.61	307.98
Mathematics and Other	0.0	0.0	0.0	0.0
Reading, Mathematics and Other	277.14	172.27	205.95	655.36

Table 3.26. Percentage of Instructional Time for Compensatory Education Pupils, by Instructional Area, by Program Type (Third Grade).

Program Type	Reading	Mathematics	Other Academic	Total
No Program				
Reading Only	100.000			100.000
Mathematics Only		100.000		100.000
Other Only			100.000	100.000
Reading and Mathematics	61.020	38.982		100.000
Reading and Other	38.756		61.241	100.000
Mathematics and Other	0.0	0.0	0.0	
Reading, Mathematics and Other	42.288	26.286	31.425	100.000

Table 3.27. Average Minutes of Instruction for Compensatory Education Pupils, by Location and Program Type (Third Grade).

Program Type	Inside	Outside	Total
No Program			
Reading Only	56.39	149.17	205.56
Mathematics Only	31.70	110.38	142.08
Other only	0.0	227.15	227.15
Reading and Mathematics	139.35	251.21	390.56
Reading and Other	99.08	208.90	307.98
Mathematics and Other	0.0	0.0	0.0
Reading, Mathematics and Other	418.27	237.09	655.36

Table 3.28. Percentage of Instructional Time for Compensatory Education Pupils, by Location, by Program Type (Third Grade).

Program Type	Inside	Outside	Total
No Program			
Reading Only	27.432	72.568	100.000
Mathematics Only	22.311	77.689	100.000
Other Only	0.0	100.000	100.000
Reading and Mathematics	35.680	64.320	100.000
Reading and Other	32.171	67.829	100.000
Mathematics and Other	0.0	0.0	
Reading, Mathematics and Other	63.823	36.177	100.000

Table 3.29. Average Minutes of Instruction for Compensatory Education Pupils, by Instructional Area, Location, and Program Type (Third Grade).

Program Type	Reading		Mathematics		Other Academic		Total
	Inside	Outside	Inside	Outside	Inside	Outside	
No Program	-	-	-	-	-	-	-
Reading Only	56.39	149.17	-	-	-	-	205.56
Mathematics Only	-	-	31.70	110.38	-	-	142.08
Other Only*	-	-	-	-	0.0	227.15	227.15
Reading and Mathematics	79.78	158.53	59.56	92.68	-	-	390.56
Reading and Other	22.56	96.81	-	-	76.52	112.09	307.98
Mathematics and Other	-	-	0.0	0.0	0.0	0.0	0.0
Reading, Mathematics and Other	163.24	113.90	98.39	73.88	156.64	49.30	655.36

*For these classes, the number of compensatory education pupils listed on class rosters was considerably lower than the number taken from the teacher questionnaire. The data from the roster were consistently used in preparing these tables. In this cell, using the higher value would decrease the estimated amount of instruction per pupil by about fourteen percent.

Table 3.30. Percentage of Instructional Time for Compensatory Education Pupils, by Instructional Area and Location, by Program Type (Third Grade).

Program Type	Reading		Mathematics		Other Academic		Total
	Inside	Outside	Inside	Outside	Inside	Outside	
No Program	-	-	-	-	-	-	-
Reading Only	27.432	72.568	-	-	-	-	100.000
Mathematics Only	-	-	22.311	77.689	-	-	100.000
Other Only	-	-	-	-	0.0	100.000	100.000
Reading and Mathematics	20.427	40.590	15.250	23.730	-	-	100.000
Reading and Other	7.323	31.434	-	-	24.846	36.395	100.000
Mathematics and Other	-	-	0.0	0.0	0.0	0.0	-
Reading, Mathematics and Other	24.908	17.380	15.013	11.273	23.901	7.523	100.000

Table 3.31. Amount of Instruction Per Pupil Provided by Compensatory Education Teachers, by Instructional Area (Third Grade).

	Reading	Mathematics	Other
Average Pupil-Minutes per Week	269.79	215.23	273.44